

Fig. 1

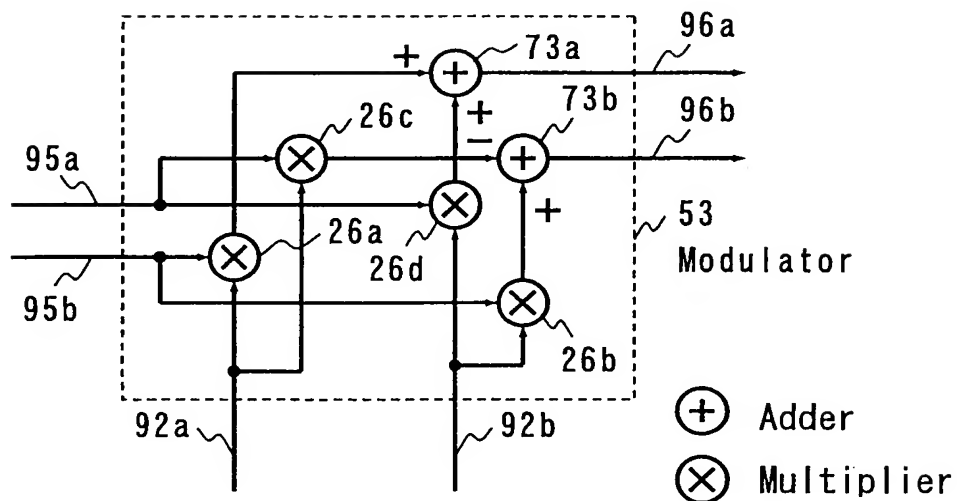


Fig. 2

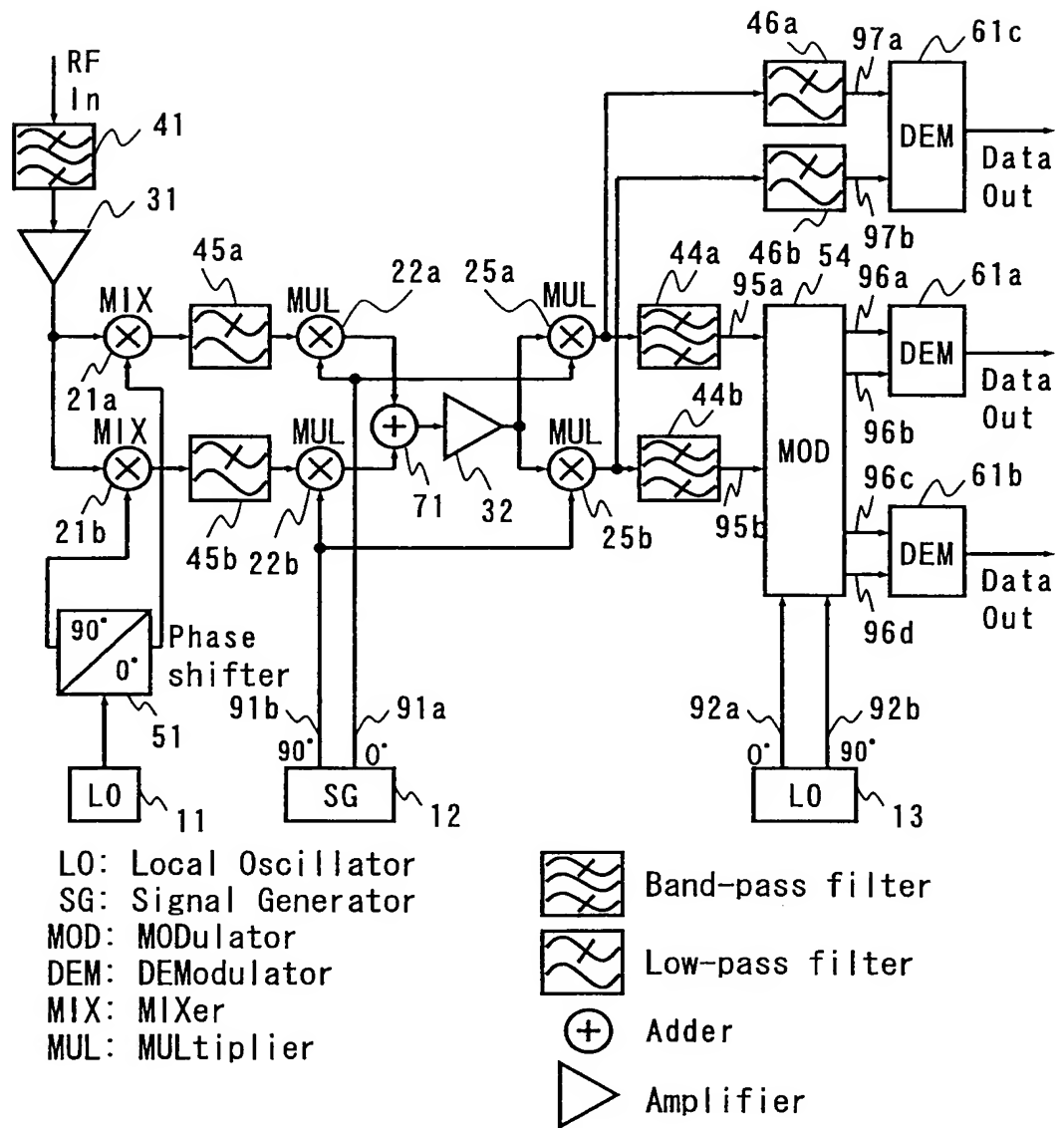


Fig. 5

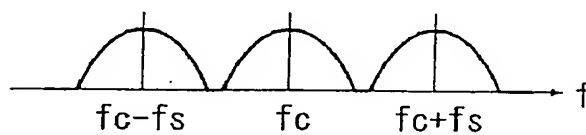


Fig. 6

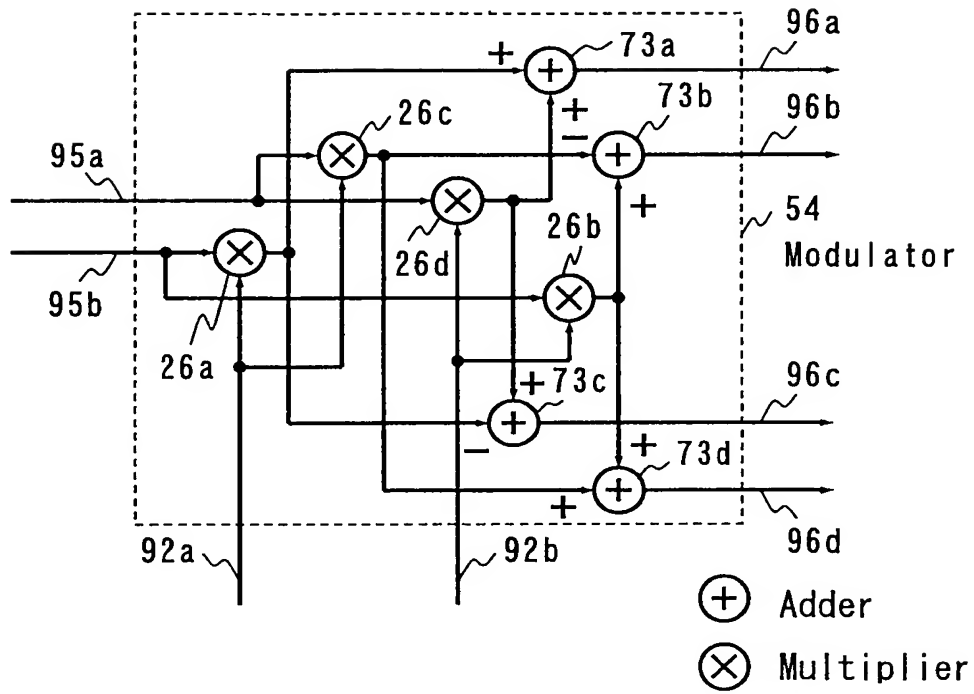


Fig. 7

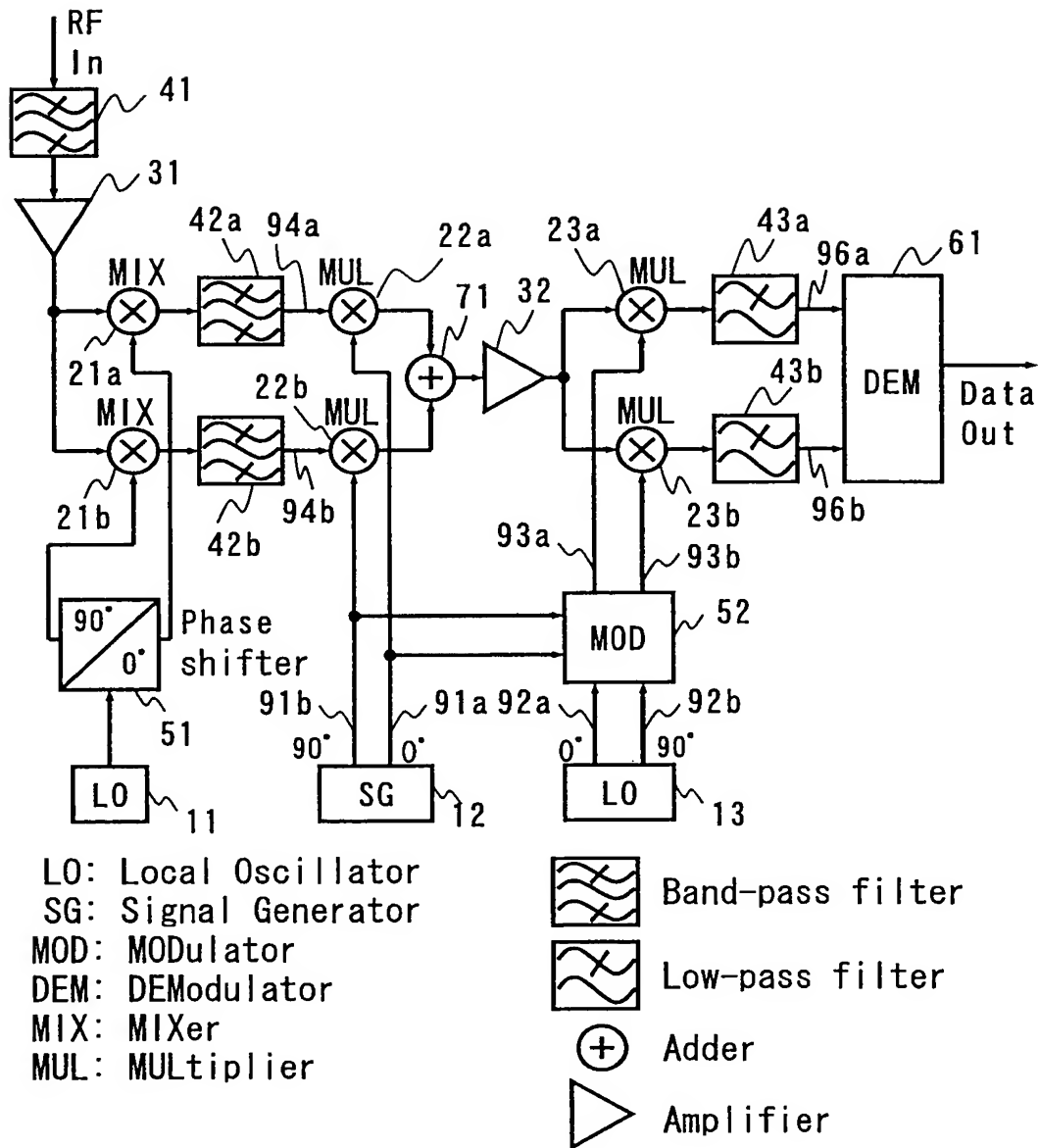


Fig. 8

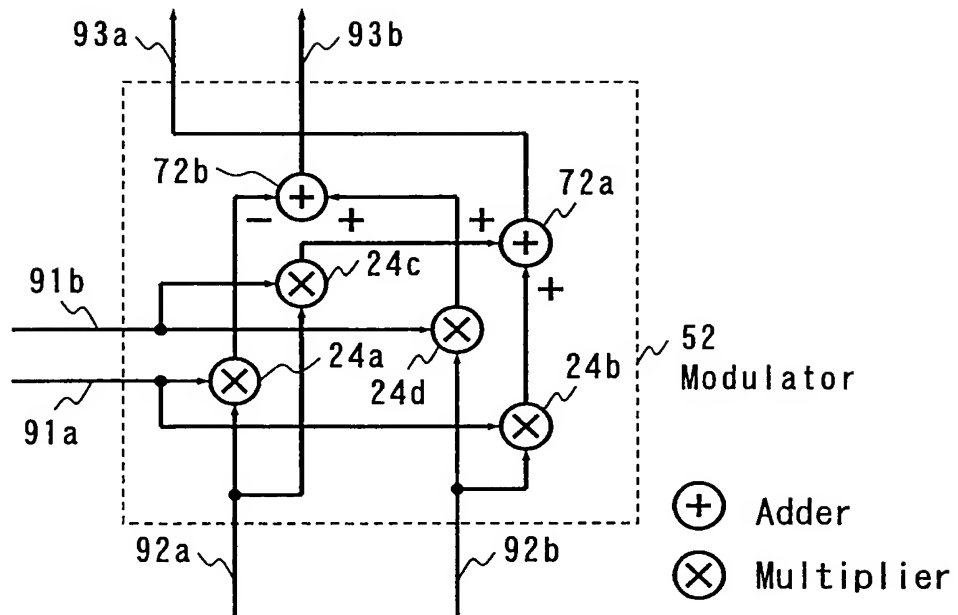


Fig. 9

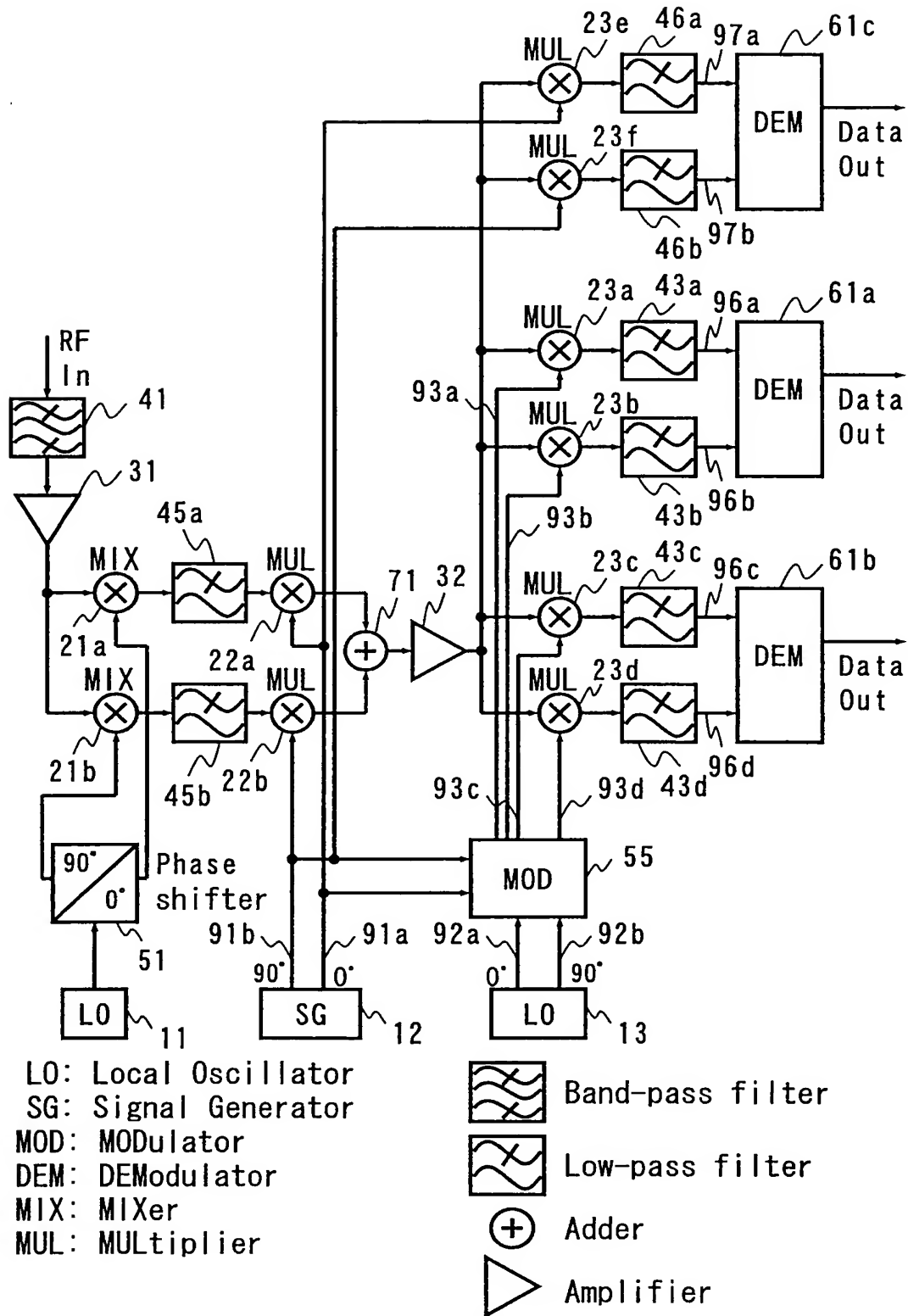


Fig. 10

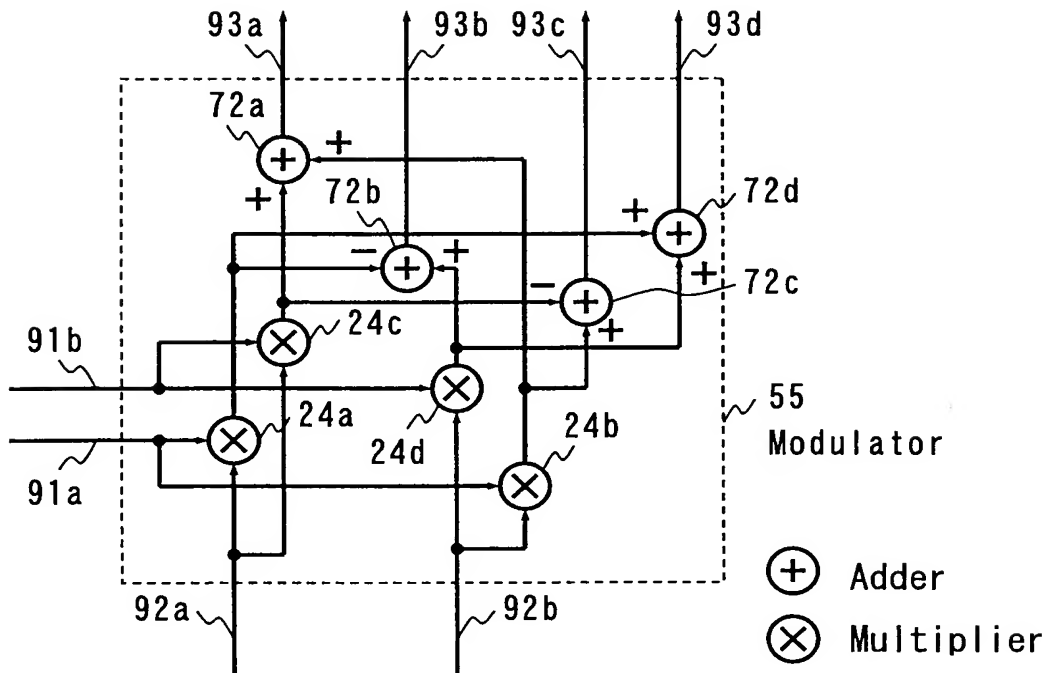


Fig. 11

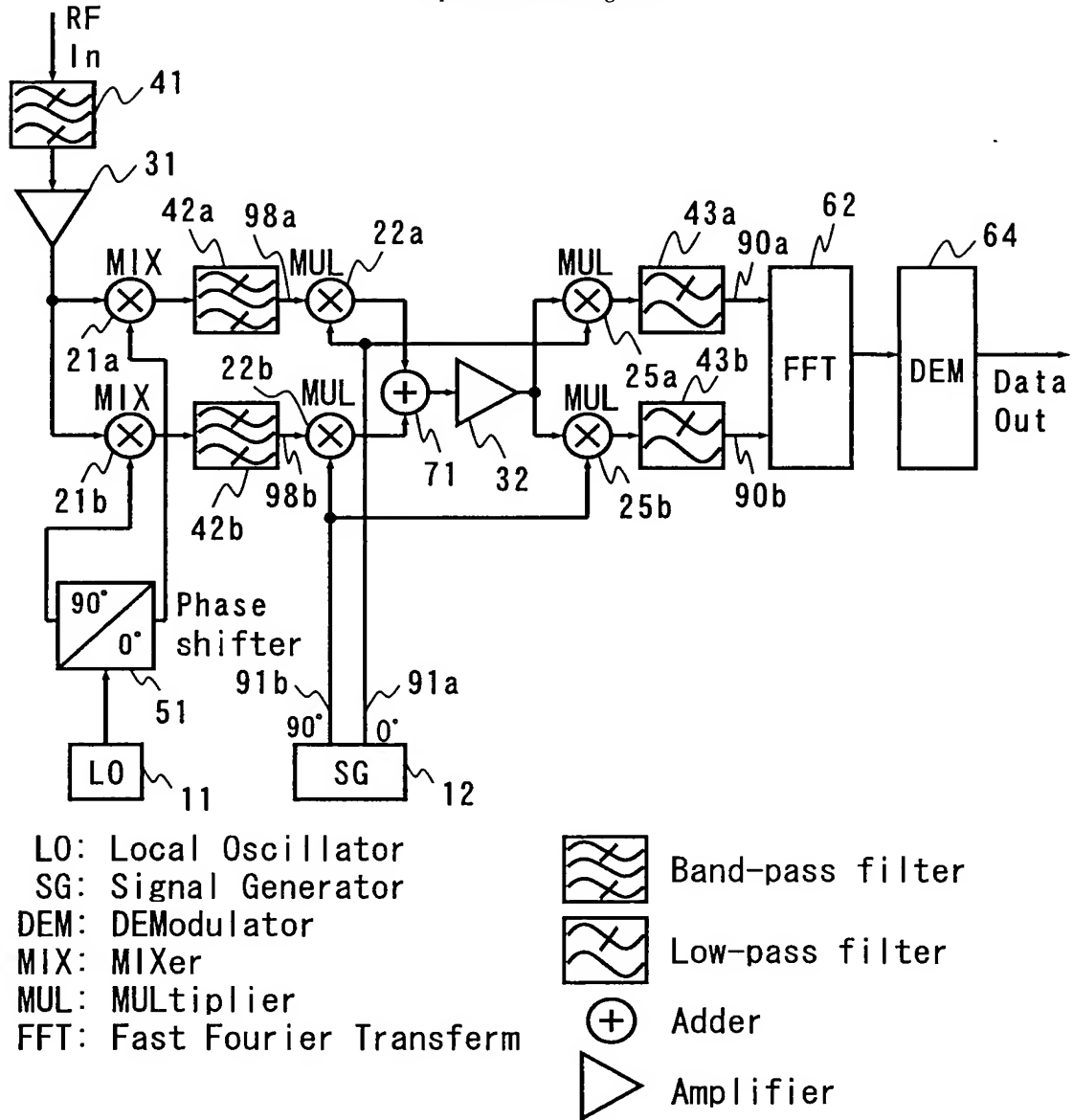


Fig. 12

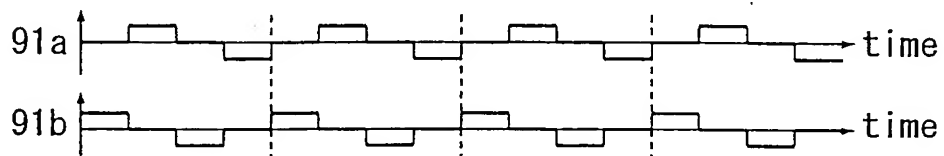
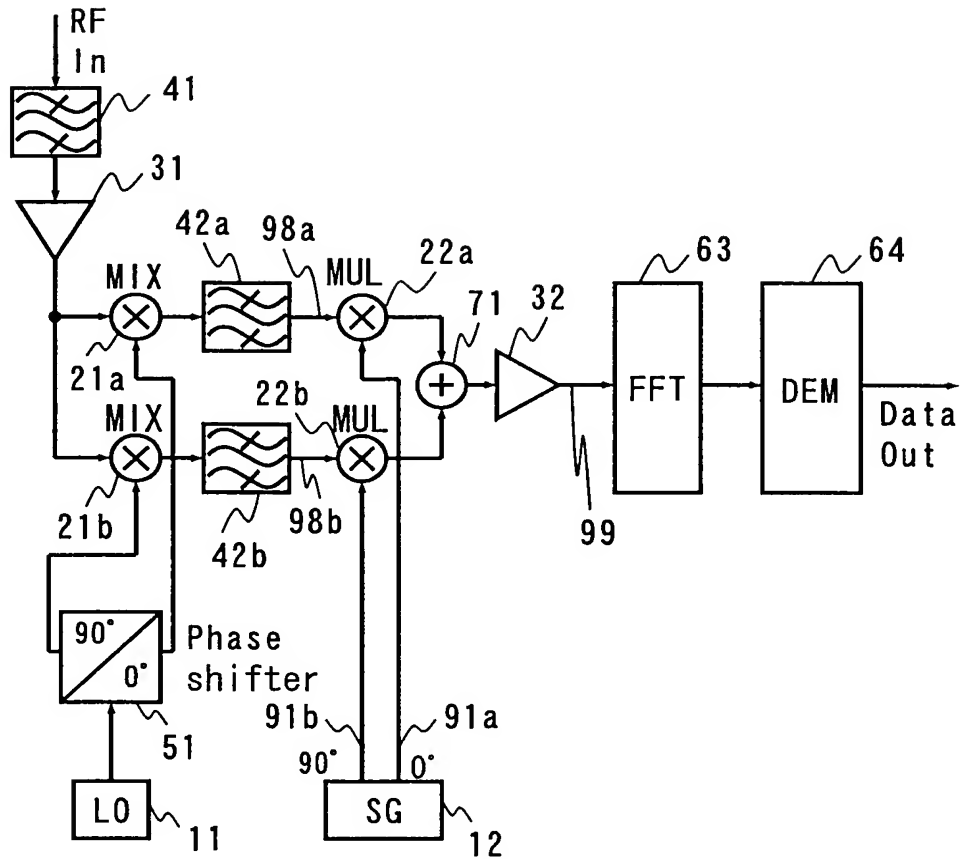


Fig. 13



LO: Local Oscillator
SG: Signal Generator
DEM: DEModulator
MIX: MIXer
MUL: MULTIplier
FFT: Fast Fourier Transform

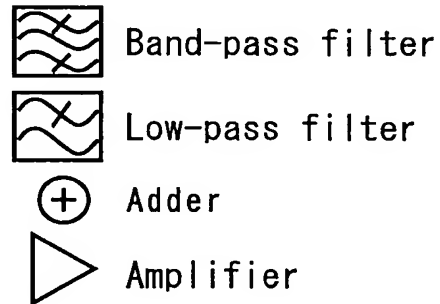


Fig. 14

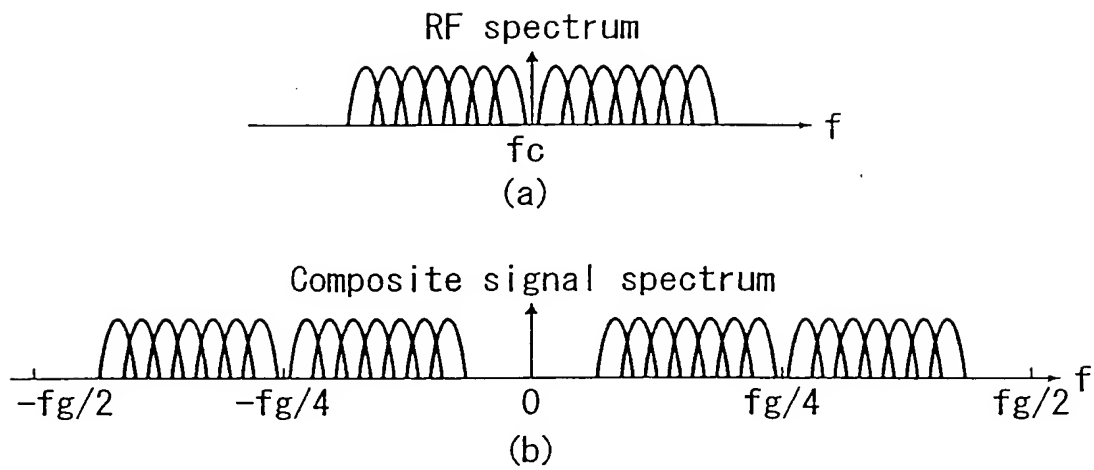
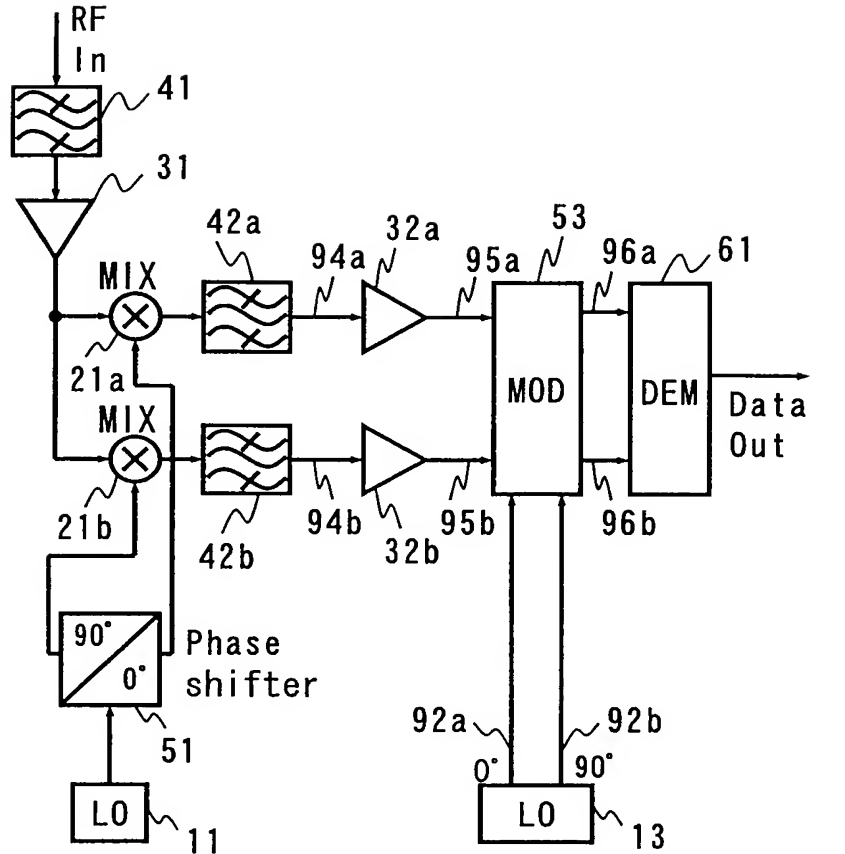


Fig. 15



LO: Local Oscillator
SG: Signal Generator
MOD: MODulator
DEM: DEModulator
MIX: MIXer



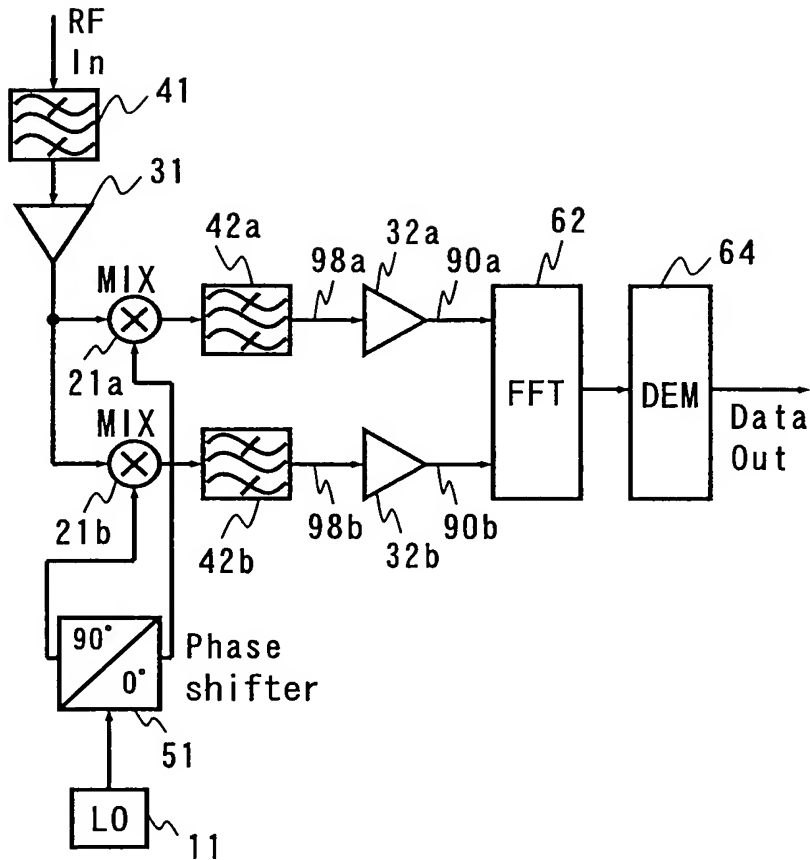
 Band-pass filter
 Amplifier

Fig. 16



LO: Local Oscillator

DEM: DEModulator

MIX: MIXer

FFT: Fast Fourier Transform



Band-pass filter



Amplifier

Fig. 17